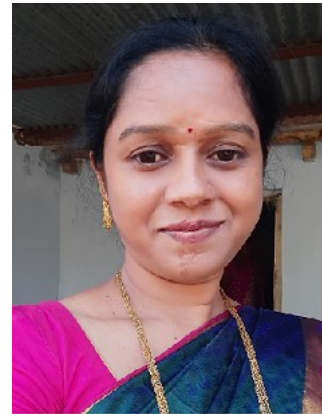


Curriculum Vitae



Name: Mrs.Bolumalla Manasa

Mother's Name: Smt. Susheela

Father's Name: Sri Kanakaiah

Address for Communication

B. Manasa

Assistant Professor(C) in ECE Department
JNTUH UCESTH, Hyderabad
Kukatpally, Hyderabad – 85
Telangana State, INDIA

Email: manasa.bolumalla@gmail.com

Mobile Number:

Educational Qualifications:

1. Pursuing Ph. D from Osmania University since 2019.
- 2.M. Tech (Communication Systems) – Aurora's Engineering College–JNTUH,2009.
3. B. Tech (E. C. E) –Sridevi Women's Engineering College - JNTUH,2006.

Additional Qualifications:

1. Qualified in UGC-NET July 2018 for eligibility of Assistant Professor.

Other Qualifications:

- Knowledge on MATLAB Programming
- Knowledge on Network Simulator and Multisim
- Knowledge on NS2

Experience:

1. Worked as Assistant Professor in ECE Department, **Hasvita Institute of Engineering & Technology** from 10th June 2009- 06th June 2013.
2. Worked as Assistant Professor in ECE Department, **Dhruva Institute of Engineering & Technology** from 01st July 2013-31st May 2014.
3. Working as Assistant Professor(C) in ECE Department, **JNTUHCEH** since 10th July 2014.

Total experience: 13 Years

Area of Interest:

- Wireless Sensor Networks
- Ad hoc Wireless Sensor Networks
- Wireless Communications

Subjects Taught: 19 Subjects

1. Ad hoc Wireless Sensor Networks
2. Cellular & Mobile Communications
3. Advanced Computer Networks
4. Computer Networks
5. Wireless Communication & Networks
6. Basic Electrical & Electronics engineering
7. Signals & Systems
8. Electronic Circuit Analysis
9. Electronic Measurements & Instrumentation
10. Digital Signal processing
11. Digital Communications
12. Analog Communications
13. Satellite Communications
14. Radar Systems
15. Data Communication Systems
16. Principles of Electronics and Communication
17. Biomedical Signal Processing
18. Coding Theory and Techniques
19. Analog and Digital Communications

M. Tech Projects Guided: 02

1. Mr. Y. Yugandhar – “Deadlock Recovery Technique in Bus Enhanced Architecture”- 2013
2. Mr. Shiva Ram – “A Novel Approach for BIST Pattern generation”-2012

Administrative Experience:

1. Acted as **Department Coordinator of Examination branch** in **Hasvita Institute of Engineering & Technology, 2009.**
2. Acted as **Class In-charge for B.Tech II Year students** in **Dhruva Institute of Engineering & Technology, 2013.**

Total No. of Publications (Journals & Conferences): 08

International Journals: 04

International Conferences: 03

National Conferences: 01

International Conferences:

1. Participated, Presented and Published a paper entitled **“Performance Evolution of Optimal Routing Protocol for Ad-Hoc Wireless Networks”** in IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)-2017 with catalog “CFP107M84-PRJ: 978-1-5386-0813-5” at Chennai, during 21st & 22nd September 2017.
2. Presented a poster with Titled as **“Wireless Transceiver Design for Implantable Medical Devices”** in the Two day International Conference held at IST, July, JNTUH, 2016.
3. Presented a paper titled as **“Review: Data Dissemination Protocols for IoT”** in International Conference on Materials and Energy (ICME-2019) on 26th and 27th July, 2019.

National Conferences:

1. Presented a paper titled **“Implementation of Intelligent Home Wireless Sensor Networks (WSN) Monitoring and Control System using Zigbee Technology”** in National Conference on “Cashless Transactions using Computer and Communications” during 17th and 18th February 2017.

International Journals:

1. Published a paper titled **“WIRELESS POWER TRANSMISSION FOR EMBEDDED SYSTEMS”** by International Journal of Scientific Engineering

& Technology Research, ISSN 2319-8885, Volume 2, and Issue. 13, October 2013, Pages: 1416-1420.

2. Published paper titled “**Deadlock Recovery Technique in Bus Enhanced NOC Architecture**” by International Journal of VLSI system Design and Communication Systems, ISSN 2322-0929 Vol.01, Issue.04, November-2013, Pages: 201-208.
3. Published a paper titled “**A Novel Approach for BIST Pattern Generation**” by International Journal of Engineering Research & Technology (IJERT). ISSN 2278-0181 Vol.03, Issue.1, January-2014, Pages: 1767-1771
4. Published a paper titled “**Implementation of Intelligent Home Wireless Sensor Networks (WSN) Monitoring and Control System using Zigbee Technology**” by International Journal of Scientific Engineering & Technology Research. ISSN 2319-8885 Vol.06, Issue.32, February-2017, Pages 1448-1450.

Refresher Courses / Workshops / Short Term Programs Participated: 13

1. Participated in “**National Conference on Communications, Signal processing and Systems (NCCSPS-2014)**” held during 24th-25th August, 2014 in JNTUHCEH.
2. Participated in “38th **National Systems Conference (NSC-2014)**” held during 05th-07th November, 2014 at JNTUHCEH.
3. Participated in One week National level workshop on “**Ad-hoc Wireless Networks**” conducted by JNTUHCEH, from 04th to 09th May 2015.
4. Attended “Awareness Workshop on “**OUTCOME BASED EDUCATION AND ACCREDIATION**” on 14th September 2015 held at JNTUHCEH.
5. Attended WVITAE Tutorial Session on “**IoT and Low Voltage Analog Design for Wireless Applications**” and “**Road to 5G Wireless Systems: Challenges Ahead vis-à-vis Progress Made**” conducted by WPMC **Global wireless summit 2015**, held on 13th December 2015 held at HICC Novotel, Hyderabad.
6. Participated in International Conference conducted by WPMC **Global wireless summit 2015 held** on 13th -16th December 2015 held at HICC Novotel, Hyderabad.

7. Participated in One week Workshop on “**Smart Technologies and Emerging Trends**” conducted by ESCI (India), at JNTUHCEH from 22nd-26thFebruary 2016.
8. Participated in Three day National level Workshop on “**Simulation of Wireless Networks using NS2**” from 26th-28thMay 2016 held at JNTUHCEH.
9. Participated in A Two day Workshop on “**Graphical System Design with LabVIEW**” held during 20th-21stOctober 2016 at JNTUH College of Engineering, Hyderabad.
10. Participated in one day Workshop on “**Research Trends in VLSI & Embedded Systems**” held on 05th November, 2016 at JNTUHCEH.
11. Participated and attended the **NGN Summit 2017** on Telecom, IoT, Cyber ICT, held from 13th-15th February 2017 at HITECH, Hyderabad.
12. Participated In a one week Faculty Development Programme on “**Internet of Things (IoT)**” organized by **NIT Warangal**, from 8th to 13th May 2017.
13. Participated in a One Day Pre-Conference Workshop on “**Computational Intelligence: Recent Trends**” on 25th September, 2017 at JNTUHCEH.
14. Participated in One Week Faculty Awareness Program on “**Contemporary Research and IPR**” conducted by ECE Dept. JNTUH-CEH under TEQIP-III from 28th January to 1st February, 2019.
15. Participated in “**Two day National Workshop on Preparing for NBA Accreditation & SAR filling**” held on 18th and 19th, February, 2019 at JNTUHCEH.
16. Participated in “**One day Sensitization Workshop on Equity Action plan**” organized by JNTUH on 11th July, 2019 under TEQIP-III.
17. Attended One Week Lecture series on “Recent Trends on RF & its applications” during June 26-30, 2020 organized by IEEE Antenna & Propagation Society (APS) chapter- Jaipur & IEEE Rajasthan Subsection in association with Malaviya National Institute of Technology, Ajmer.
18. Participated in One Week Faculty Development Programme on “**Role of Machine Learning & Data Sciences in AI**” organized by Department of CSE, MGIT, Hyderabad during 28th June to 2nd July 2020.
19. Participated in Three Weeks National Level Online STTP (Short Term Training Program) on “**Introduction To Radar Signal Processing**” organized by the Department of Electronics and Communication

Engineering, RISE Krishna Sai Prakasam Group of Institutions, Ongole in association with IETE chapter from 01/07/2020 to 18/07/2020.

20. Participated in one week National level FDP Weeks on “**Recent Advances in Antennas & Applications (RAAA)**” in association with IETE Vijayawada Centre, organized by the Communication Systems Research Group (CSRG), Department of Electronics and Communication Engineering, KLEF during 14-18 July 2020.

21. Participated in the Three-Day Online Workshop on “**Procedures & Preparation of SSR for NAAC**” held from 21st April 2022 to 23rd April 2022 organized by Internal Quality Assurance Cell (IQAC), Jawaharlal Nehru Technological University Hyderabad (JNTUH).

Webinars Attended:

1. Attended the Webinar on "LPWAN Communication in IIoT (Industrial IoT)" organized by SmartBridge in collaboration with Space Age Labs on 26th June 2020.

2. Attended a Webinar on “**How To Improve Teaching Skills**” organized by Department of Electronics and Communication Engineering MLR Institute of Technology on 24th June 2020.

3. Attended a Webinar on “**Deep Learning for Automatic Speech Recognition**” organized by Department of Electronics and Telecommunication Engineering on 26th June 2020 by AISSMS Institute of Information Technology.

4. Attended a Webinar on “**CHATBOTS**” held on 25th June 2020 organized by Aurora’s Scientific Technological and Research Academy, Hyderabad.

5. Attended the Webinar on “**Digital Marketing 101**” organized by IIDE (Indian Institute of Digital Education) on 27th June 2020.

6. Attended the LIVE WEBINAR on “**Impact Of Covid19 On The Future Of Higher Education - Challenges And Opportunities**” organized by Lead India Foundation (USA) on Saturday July 4, 2020 in collaboration with JNTU Hyderabad Alumni Association.

7. Attended a webinar on “**Advanced Research and Funding Scope in the Emerging areas of Engineering Science and Technology**” organized by FDP cell, ESCI on 24th July 2020.

8. Successfully completed an Online Quiz on **“Research Metrics in Scientific Publications”** conducted on 26-6-2020 by MLR Institute of Technology, Hyderabad.
9. Successfully completed online Technical Quiz on **“Analog Communications”** conducted by the Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) on 6-7-2020.
10. Participated in A National level e-quiz on **"Space Technology"** organized by the Department of Electronics and Communication Engineering on 7/7/2020 with a passing score of 60%.
11. Successfully completed The National level E-Quiz Competition on **“Digital Circuits”** conducted on 07-07-2020 by NBKR Institute of Science Technology with score of 70%.
12. Successfully completed The National level E-Quiz Competition on **“Signals & Systems”** conducted on 08-07-2020 by NBKR Institute of Science Technology with a score of 70%.

SWAYAM-NPTEL Courses:

1. Completed Principles of Communication Systems Part-I -Jan -Apr-2020.
2. Completed Principles of Communication Systems Part-II -July-Oct-2019.

COURSERA Courses:

1. Successfully completed **“COVID-19 Contact Tracing”** Organized by Johns Hopkins University-June, 2020
2. Successfully Completed **“Wireless Communications for Everybody”** by YONSEI University, June 2020.
3. Successfully Completed **“Wireless Mind Control: Managing Your Mental Health During COVID-19”** by University of TORONTO-June 2020.
4. Successfully Completed **“Cyber Security and Internet of things”**- June 2020.